

# **REZEROING A ROBOT ACCESSOR OF AN AUTOMATED DATA STORAGE LIBRARY**

## **ABSTRACT**

The positioning of a robot accessor in an automated data storage library is rezeroed with  
5 respect to a home position which potentially avoids moving the robot accessor to the home  
position in every rezero operation. The robot accessor is moved to the expected location of a  
reference point in the library. If the reference point is sensed by a robot accessor sensor at  
substantially the expected location, the rezero operation is completed; else, the rezero operation  
is continued. Alternatively, if there is an offset between the sensed location of the reference  
10 point and the expected location, the robot accessor is moved to a second expected location of a  
second reference point. If the offsets are consistent, the calibration is updated, completing the  
rezero operation.